

# Reprocessing

## Disinfection

The handpiece must never be immersed in a disinfection/ultrasonic bath, because:



- The ball bearings might be destroyed
- Other technical defects on the handpiece may occur

**Do not immerse handpiece or coupling in a disinfection bath**



- Never use chloride-containing disinfectants:
- Use agents released by the manufacturer exclusively
  - Unsuitable disinfectants can lead to corrosion

**Agent attacked the surface**



**Handpiece that has been cleaned with chloride-containing disinfectant**



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In general, wipe disinfection is recommended. If excessive amounts of disinfectant or a non-approved disinfectant is sprayed onto the handpiece or the motor/turbine coupling, malfunctions may occur.

**Disinfectant flowed into the motor**



If the disinfectant flows into the handpiece or into the motor/turbine coupling, defects on the coupling may occur.

**Wipe disinfection**



**Spray disinfection**



## Thermodisinfection

Please make sure to use only the chemicals recommended by the manufacturer of the device. Replace the water filters of the washer disinfector regularly as the machine would otherwise rinse with water containing particles.



Dry handpieces completely, otherwise corrosion may occur.

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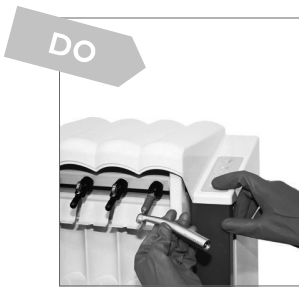
## Automated care using the QUATTROcare™ PLUS

In general, automated care of rotating dental handpieces using the KaVo QUATTROcare PLUS is preferred over manual care. The handpieces are lubricated and serviced professionally and correctly with the proper amount of QUATTROcare Spray.

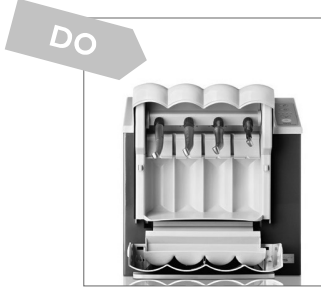
After lubrication, excessive oil is purged from the handpiece with compressed air.

The use of QUATTROcare Plus ensures consistent servicing and minimizes errors, which leads to savings from unnecessary repairs.

**Weekly chuck care  
using the KAVO  
QUATTROcare Plus**



**Handpiece and head  
care using the KaVo  
QUATTROcare Plus**



**KaVo QUATTROcare  
Plus Spray**



QUATTROcare PLUS: All O-rings of the service couplings on the QUATTROcare PLUS must be in working order. Otherwise, the handpiece will not be lubricated properly.



In the presence of heavy debris, repeat the cleaning/lubricating process and run the handpiece in between. The oil foam expands by more than 300 times its volume. In the process, it takes up the dirt particles and expels them from the handpiece.

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## Manual care with KaVo Spray

### Handpieces

This services the inside of the handpieces. For this purpose, spray into the handpiece for at least 1 second. If the spray time is too short, the service life may decrease.



A sufficient duration of the spray action is indicated by oil foam exiting from the chuck and lid.

For proper care, keep the can upright and the spray head upwards.



If the can is nearly empty, visually check to see if the handpiece has been lubricated sufficiently.

If the oil does not exit as a clear liquid after servicing, cleaning and/or lubricating need to be repeated.

### Motors

KaVo electrical motors, like the KL703 short motor, must not be lubricated, since they feature inherent permanent lubrication.

Air-driven motors and KaVo's INTRAsurg 500 motor should be lubricated after each use.

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## General care instructions for the QUATTROcare PLUS and KaVo Spray

- Use original KaVo sprays exclusively. The oil from KaVo is specifically matched to the materials used by KaVo.
- Use matching spray heads for the products and applications exclusively. There are different spray heads available for turbines and contra-angle handpieces. These seal the rear of the handpieces during the spray process.
- During service with the QUATTROcare PLUS, make sure not to damage the O-rings on the QUATTROcare PLUS. Otherwise, the oil leaks on the side and does not flow into the handpiece.

### Service procedure:



- Remove the dental bur
- Lubricate the chuck at least 1x per week
- If possible, service handpieces and heads separately (reference instructions for use of the handpiece)
- Lubricate the handpieces and heads **after** each use and **before** each sterilization
- During manual servicing, hold the handpiece between the bag and cellulose of the KaVo Cleanpac™. This allows leaking oil and/or soiling on the head/handpiece to be contained and detected.

Chuck care with spray tip



Head care



Handpiece care



# Protect handpieces during storage

## Storage of the handpieces after servicing:

Use a handpiece stand (KaVo part number: 0411.9902) for storage to enable excessive residual oil to leak out. Otherwise, the residual oil will impact the operation of the handpiece. This may cause the handpiece to over heat, which may lead to further damage to the ball bearings.

**Use of the handpiece stand allows the residual oil to leak out**



**Handpieces have been placed down and residual oil remains inside the handpiece**



**Handpieces that are stored in the dentists element instrument holder right after servicing**



Never plug the serviced instrument onto the motor/turbine coupling and never store it in the instrument holder. The oil leaks into the hose and may lead to a defect on the coupling.